

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :
Kazunori KATAOKA et al. : **Mail Stop: PCT**
Serial No. NEW : Attorney Docket No. 2004-1545A
Filed September 29, 2004 :
BIOSENSOR CHIP SURFACE
CARRYING POLYETHYLENE
GLYCOLATED NANOPARTICLES :
[Corresponding to PCT/JP03/03504
Filed March 24, 2003]

THE COMMISSIONER IS AUTHORIZED
TO CHARGE ANY DEFICIENCY IN THE
FEE FOR THIS PAPER TO DEPOSIT
ACCOUNT NO. 23-0975.

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of the references listed on attached form PTO-1449 and any additional information identified below in paragraph 3. A legible copy of each reference listed on the Form PTO-1449 is enclosed, except a copy is not provided for:

- ☒ each U.S. Patent and U.S. Patent application publication (*for U.S. National applications filed after June 30, 2003 and International applications that have entered U.S. National Stage after June 30, 2003*),
- ☒ each reference previously cited in the international application PCT/JP03/03504; and/or
- ☐ each reference previously cited in prior parent application Serial No.

1a. ☒ This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, or

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

and thus no certification and/or fee is required.

1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

(1) ☐ the certification of paragraph 2 below is provided, **or**

(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

the certification of paragraph 2 below is provided, and

the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

2. It is hereby certified

a. ☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or

b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.


3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.

4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
- a. ☐ a full or partial English language translation submitted herewith,
 - b. ☒ a foreign patent office search report (International Search Report) (in the English language) submitted herewith,
 - c. ☐ the concise explanation contained in the specification of the present application at page,
 - d. ☐ the concise explanation set forth in the attached English language abstract,
 - e. ☐ the concise explanation set forth below or on a separate sheet attached to the reference:
5. ☒ A foreign patent office search report (International Search Report) citing one or more of the references is enclosed.
6. ☒ Comments:

The US '009 reference cited on the attached PTO-1449 form corresponds to the JP '727 reference cited on this form.

Respectfully submitted,

Kazunori KATAOKA et al.

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September 29, 2004

FORM PTO 1449 (modified)

ATTY DOCKET NO.
2004-1545ASERIAL NO.
NEW

10/509576

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: September 29, 2004

APPLICANT
Kazunori KATAOKA et al.FILING DATE
September 29, 2004

GROUP

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	2002/0052009	5/2002	Hornauer et al.			
	AB	5,763,191	6/1998	Knoll et al.			
	AC	3,071,823	1/1963	Platt et al.			
	AD	6,207,392	3/2001	Weiss et al.			
	AE						
	AF						
	AG						
	AH						
	AI						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AJ	02/20200	3/2002	WO			
	AK	02/04918	1/2002	WO			
	AL	11-140097	5/1999	Japan			
	AM	11-211727	8/1999	Japan			
	AN	03/18690	3/2003	WO			

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AO	H. Otsuka, "Quantitative and reversible lectin-induced association of gold nanoparticles modified with alpha-lactosyl-omega-mercapto-poly(ethylene glycol)", J. Am. Chem. Soc., 123 (34): 8226-30, August 29, 2001.
	AP	Kakizawa et al., "Block Kyojugotai to DNA kara naru Jiko Soshiki-ka Ryushi no Sosei to sono Saibonai DNA Donyu System eno Tenkai", Polymer Preprints, Japan, Vol. 50, No. 14, pages 3818 to 3819, 2001.
	AQ	

EXAMINER

DATE CONSIDERED